

City of Lincoln, Nebraska
2007
ADDENDUM #1
TO SPEC. 07-124

April 12, 2007

**54-inch Water Transmission Main
Carlos Drive from E. Avon to Holdrege
And Holdrege from Carlos Drive to N. 87th Street
Project 702279**

Addendum #1 to Spec. 07-124 for above project to be opened on **Friday, April 20, 2007** at 12:00 noon.

Please note the bid date has been moved to **Friday April 20, 2007** at 12:00 noon. Sealed bids will be received by the City of Lincoln, Nebraska on or before 12:00 noon Friday April 20, 2007 in the office of the Purchasing Agent, Suite 200, K Street Complex, Southwest Wing, 440 South 8th Street, Lincoln, Nebraska 68508.

Any and all additional questions need to be in writing to Vince Mejer in the Purchasing Department by noon, Tuesday April 17, 2007. No questions will be answered after this time. Vince's fax number is 441-6513 or his e-mail is vmejer@lincoln.ne.gov.

Response to Questions

- A request was made to amend the bid form to include the requirement to show the pipe manufacturer and the type of material being bid. After consideration of the request, the City of Lincoln will not require these items to be identified at the time of bid opening.
- Is the existing 54" PCCP Lined Cylinder Pipe or Embedded Cylinder Pipe? Also, what kind of coupling was used to connect the existing bulkhead?
We have located the shop drawings for the bulkhead and the pipe. It is embedded pipe and the bulkhead is a spigot end with a locking ring. We are double checking what was delivered to the project and will pass on any newfound information in another addendum.
- See attached pages for additional addendum items.





City of Lincoln
Project Item Schedule
702279

Description: 54" Water Main, Carlos & Holdrege

Location:

Work Type: WATER MAIN

Road Type:

Bid opening Date: 04/20/2007 AT 12:00 pm.

Project Items

Item Number	Quantity	Unit	Unit Price	Extension
Section: 3 Paving Items				
01.0100	1,606.000	CY	\$	\$
Pavt & Sidewalk Rem				
01.0104	148.000	SF	\$	\$
Rem of Structure				
01.0110	78.000	SY	\$	\$
7" Conc Base				
01.0140	8.500	TON	\$	\$
AC Surface Course, For Art				
01.0190	2.000	EA	\$	\$
Std Monument Box (In Place)				
01.0210	402.200	LF	\$	\$
Ty "A" Sawing				
01.0220	664.000	LF	\$	\$
Ty "B" Sawing				
01.0230	801.000	LF	\$	\$
Ty "C" Sawing				
02.0020	12.000	EA	\$	\$
Tree Rem (12" to 23")				

Item Number	Quantity	Unit	Unit Price	Extension
02.0030	2.000	EA	\$	\$
Tree Rem (24" to 35")				
02.0040	29.000	EA	\$	\$
Tree Rem (36" & Over)				
03.0020	137.000	SY	\$	\$
9" PCC Pavt				
03.0050	4,502.000	SY	\$	\$
6" PCC Pavt				
03.0060	101.000	SY	\$	\$
9" PCC Pavt w/ Int Curb				
03.0090	1,497.000	SY	\$	\$
6" PCC Pavt w/Int Curb				
06.0020	1,829.000	L.F.	\$	\$
Combined Curb & Gutter				
07.0020	7,743.000	SF	\$	\$
4" Conc Sidewalk				
07.0030	3,520.000	SF	\$	\$
6" Conc Driveway				
07.0040	2,197.000	SF	\$	\$
5" Conc Driveway				
07.0100	144.000	SF	\$	\$
Build Detectable Warning Panel				
08.0025	148.000	SF	\$	\$
Modular Block Retaining Wall				
09.0050	18.500	L.F.	\$	\$
48" Chain Link Fence (In Place)				
50.0045	320.000	SF	\$	\$
Misc Remove & Replace Modular Block Retaining Wall				

Item Number	Quantity	Unit	Unit Price	Extension
99.0601	258.000	LF	\$	\$
Rem & Repl 24" Comb Curb/Gutter				
Section 3 Total:				\$
Section: 4 Storm Drainage				
21.0170	76.000	LF	\$	\$
48" RCP Storm Sewer, CI IV				
21.0180	37.000	LF	\$	\$
42" RCP Storm Sewer, CI IV				
21.0240	123.000	LF	\$	\$
15" RCP Storm Sewer, CI IV				
21.0690	1.000	EA	\$	\$
42" RC FES, w/Grate				
21.0940	8.180	CY	\$	\$
Conc for Collars, Elbows & Hdwls (In Place)				
21.0950	1,105.800	LBS	\$	\$
Reinf Steel for Collars, Elbows & Hdwls (In Place)				
21.1240	76.000	LF	\$	\$
Rem 54" Storm Sewer Pipe				
21.1260	37.000	LF	\$	\$
Rem 42" Storm Sewer Pipe				
21.1320	28.000	LF	\$	\$
Rem 15" Storm Sewer Pipe				
21.1620	1.000	EA	\$	\$
Rem 42" RC FES				
21.1710	3.000	EA	\$	\$
Rem Ex Inlet (Cmpl)				
21.1750	1.000	EA	\$	\$
Rem Ex Hdwl (Cmpl)				

Item Number	Quantity	Unit	Unit Price	Extension
21.1850	139.000	LF	\$	\$
4' RC Low Flow Liner				
21.0770	3.000	EA	\$	\$
72" Storm Sewer Inlet (Cmpl)				
Section 4 Total:				\$
Section: 9 Miscellaneous				
0.2000	1.000	LS	\$	\$
Const Staking				
0.4000	1.000	LS	\$	\$
Mobilization				
02.0010	1.000	LS	\$	\$
Gen Clearing & Grubbing				
15.0001	1.000	LS	\$	\$
Traffic Ctrl for Const				
50.0001	17.000	EA	\$	\$
C.P. Test Stations				
50.0015	1.000	LS	\$	\$
C.P. system Start up & Testing				
Section 9 Total:				\$
Section: 10 Erosion Control				
30.0010	28,614.000	SF	\$	\$
Sodding, Cmpl				
30.0030	5.500	AC	\$	\$
Seeding, Ty "A"				
32.0040	2,210.000	LF	\$	\$
Synthetic Fabric Silt Fence Inst				
32.0050	2,210.000	LF	\$	\$
Synthetic Fabric Silt Fence Maint				

Item Number	Quantity	Unit	Unit Price	Extension
32.0060	2,210.000	LF	\$	\$
Synthetic Fabric Silt Fence Rem				
32.0070	2.000	EA	\$	\$
Inst Storm Drain Inlet Protection				
32.0080	2.000	EA	\$	\$
Storm Drain Inlet Protection Maint				
32.0090	2.000	EA	\$	\$
Rem Storm Drain Inlet Protection				
50.0015	1.000	LS	\$	\$
Misc Connect to Existing 54" Main				
Section 10 Total:				\$
Section: 12 Water Main				
50.0005	5,600.000	LF	\$	\$
54" Water Main				
23.0005	798.000	LF	\$	\$
16" Water Main				
23.0006	10.000	LF	\$	\$
12" Water Main				
23.0008	221.000	LF	\$	\$
6" Water Main				
23.0420	1.000	EA	\$	\$
16" Butterfly Valve, MJ				
23.0430	1.000	EA	\$	\$
12" Butterfly Valve, MJ				
23.0460	4.000	EA	\$	\$
6" Gate Valve, MJ				
23.0492	2.000	EA	\$	\$
Hydrant, Cmpl L=6.5'				

Item Number	Quantity	Unit	Unit Price	Extension
23.0510	1.000	EA	\$	\$
12" Retainer Glands, MJ				
23.0530	20.000	EA	\$	\$
6" Retainer Glands, MJ				
23.0544	1.000	EA	\$	\$
12" X 45 Deg Bend, MJ				
23.0546	4.000	EA	\$	\$
6" X 45 Deg Bend, MJ				
23.0576	3.000	EA	\$	\$
16" X 6" Tee, MJ				
23.0590	1.000	EA	\$	\$
6" X 6" Swivel Tee, MJ				
23.0592	2.000	EA	\$	\$
6" Anchoring Elbow, MJ				
23.0593	2.000	EA	\$	\$
6" Anchoring Coupling, MJ (L=12")				
23.0594	2.000	EA	\$	\$
6" Anchoring Coupling, MJ (L=18")				
23.0638	1.000	EA	\$	\$
6" Offset, 24" Drop, MJ				
23.0639	1.000	EA	\$	\$
6" Offset, 18" Drop, MJ				
23.0646	2.000	EA	\$	\$
16" Solid Sleeve, MJ (L=15")				
23.0651	4.000	Ea.	\$	\$
6" Solid Sleeve, M.J. (L=18")				
23.0658	1.000	EA	\$	\$
16" Plug, MJ				

Item Number	Quantity	Unit	Unit Price	Extension
23.0660	1.000	EA	\$	\$
12" Plug, MJ				
23.0665	3.580	CY	\$	\$
Conc for Thrust Blocks & Anchorages (In Place)				
23.0670	70.800	LBS	\$	\$
Reinf Stl for Thrust Blks & Anchorages				
23.0690	20.000	EA	\$	\$
Loop Water Service				
23.0715	450.000	LF	\$	\$
0.75" Copper Water Service Pipe				
23.0920	672.000	LF	\$	\$
Rem 16" Water Main				
23.0950	35.000	LF	\$	\$
Rem 6" Water Main				
23.0960	2.000	EA	\$	\$
Rem & Salvage Hydrant (Cmpl)				
23.1000	2.000	EA	\$	\$
Rem & Salvage Gate Valve and Box (Cmpl)				
23.1030	1.000	EA	\$	\$
Rem & Reset Hydrant (Cmpl)				
23.1110	1.000	EA	\$	\$
Remove and Salvage 16" plug				
50.0001	2.000	EA	\$	\$
Combination Air & Vacuum Valve in Manhole				
50.0001	2.000	EA	\$	\$
54" x 30 Deg Bend				
50.0001	2.000	EA	\$	\$
54" x 6 Deg Bend				

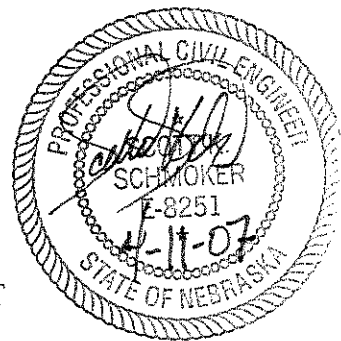
Item Number	Quantity	Unit	Unit Price	Extension
50.0001	4.000	EA	\$	\$
54" x 45 Deg Bend				
50.0001	2.000	EA	\$	\$
54" x 4 Deg Bend				
50.0001	1.000	EA	\$	\$
54" x 12" Tangential Outlet				
50.0001	3.000	EA	\$	\$
54" x 8" Tangential Outlet and Blow Off Assembly				
50.0001	1.000	EA	\$	\$
54" x 6" Tee				
50.0001	1.000	EA	\$	\$
54" Bulkhead				
50.0005	75.000	LF	\$	\$
12" Smooth Steel Cs, 0.25" Th, BIP				
50.0005	264.500	LF	\$	\$
72" Smooth Steel Cs, 0.50" Th, BIP				
50.0005	25.000	LF	\$	\$
Misc 2.5" Copper Water Service Pipe				
23.0500	2.000	EA	\$	\$
16" Retainer Glands, MJ				
			Section 12 Total:	\$
Section: 13 Waste Water				
22.0700	5.000	EA	\$	\$
Std MH, Ty "S"				
22.0710	62.100	VF	\$	\$
Std MH, Ty "S"				
22.0820	19.000	EA	\$	\$
Reconstruct Sanitary Sewer Service				

Item Number	Quantity	Unit	Unit Price	Extension
22.0850	160.000	LF	\$	\$
4" Pipe Sewer Service				
50.0005	80.000	LF	\$	\$
8" Wastewater Pipe (C900)				
50.0005	30.000	LF	\$	\$
4" Wastewater Force Main Pipe (C900)				
50.0005	1,141.000	LF	\$	\$
Misc 8" Wastewater Pipe, B.I.P.				
Section 13 Total:				\$
Estimate Total:				\$

Company Name: _____

Signature: _____ Date: _____

CITY OF LINCOLN, NEBRASKA 2007
54-INCH WATER TRANSMISSION MAIN
CARLOS DRIVE, FROM E. AVON LANE TO HOLDREGE
AND HOLDREGE, FROM CARLOS DRIVE TO N. 87TH STREET
PROJECT NO. 702279
SPECIFICATION NO. 07-124
ADDENDUM NO. 1



A. SCOPE

This Addendum No. 1 consists of AD1-1 through AD1-4 and attachments. The following modifications shall be made to the Contract Documents for this project.

B. SPECIAL PROVISIONS

Section Special Provisions General

The following is added to the end of the paragraph: "The Contractor shall Schedule and coordinate a public information meeting with the City and affected property owners."

Section Special Provisions Construction Phasing and Traffic Control The phasing and traffic control requirements are deleted and replaced with the following:

CONSTRUCTION PHASING AND TRAFFIC CONTROL

Except as specifically modified by these Special Provisions, the Standard Specifications shall apply to the phasing and traffic control on this project, specifically Chapter 15.

Special Requirements and Completion Dates

The project shall be phased as described below and as shown on the drawings. The Contractor may work on multiple phases simultaneously, provided sufficient resources are dedicated to the work. Phases 1, 2, and 2A shall be completed by November 15, 2007. Phase 3, 4, and 5 shall be completed by June 15, 2008. Phase 1 shall be completed first. Phase 2A must be completed before Phase 2B. Phases 2A and 2B must be completed before Phase 3. Phases 4 and 5 may be completed in the order as selected by the Contractor or simultaneously with other phases. Incentives and liquidated damages apply to each full phase (1 thru 5) and for phase 2A and 2B. The liquidated damages also apply to phased completion dates of November 15, 2007 for phases 1, 2A, and 2B; and June 15, 2008 for the completed project. The completion dates and calendar days allowed for each phase are for Substantial Completion of the work defined as installation and backfill of all piping, completion of replacement of paving, replacement of structures removed, and rough grading. Fine grading, seeding, and landscaping may be completed subsequently for Final Completion for work on Holdrege but, will be required for Substantial Completion for work on Carlos Drive.

Phase 1 – Bore at 84th Street and piping west of crossing, Sta.1040+75 to 1044+31 shall be completed within 14 calendar days of commencement of construction on this phase. Commencement shall be defined as the mobilization of equipment and forces to the specific site of this phase. Phase 1 work shall include the installation of the casing and carrier pipe including chocks, end seals, and other accessories. The bore pits shall be backfilled following the completion of Phase 1 and will need to be re-opened for connection under Phases 4 and 5, unless the Contractor is proceeding on to subsequent phases immediately. Final seeding may be completed subsequently during the spring planting season.

Phase 2A – Carlos Street sanitary sewer line, shall be completed including connection of all sewer service lines from the residences on the east side of Carlos Drive to the new sewer, within 21 calendar days of commencement of construction on this phase.. The plugging of the old service lines to the existing sanitary sewer line on the west side of Carlos Drive shall also be completed. Sidewalk replacements and sodding shall be included in Substantial Completion.

Phase 2B – Carlos Drive, Water Main and Paving, Sta.1000+00 to Sta.1015+53 shall be completed within 70 calendar days of commencement of construction on this phase. Phase 2B shall be sequenced such that only one cross street (Starr Street, West Avon Lane, East Avon Lane) will be closed at any one time. Substantial Completion shall include installation of the water main, connection of the reconstructed water services from the east side of Carlos Drive to the existing distribution main on the west side of Carlos Drive, paving of Carlos Drive, sodding, driveway replacements, and any remaining sidewalk replacements.

Phase 3 – Carlos Drive at Holdrege Street, Sta.1015+53 to Sta.1017+88 shall be completed within 14 calendar days of commencement of construction on this phase. During this phase, Holdrege Street will be closed to thru traffic and traffic shall be detoured to Vine Street. Completion shall include installation and backfill of the water main and replacement of pavement at the intersection of Carlos and Holdrege Street.

Phase 4 – Holdrege Street east of 84th Street, Sta.1044+31 to Sta.1057+11 shall be completed within 28 calendar days of commencement of construction on this phase.

Phase 5 – Holdrege Street, Carlos Drive to 84th Street, Sta.1017+88 to Sta.1041+47 shall be completed within 42 calendar days of commencement of construction on this phase. During this phase the west bound traffic on Holdrege Street will be shifted from the north side of the street to the south side of the street, including the widening of Holdrege Street between 80th Street and Northwoods Drive. The 16-inch diameter water distribution main shall be completed and placed back into service prior to work on the 54-inch main in this area. The new 16-inch main shall be constructed prior to shut-off of the existing 16-inch main. Following testing, connections shall be made, the existing 16-inch main taken out of service, and the new main placed into service.

Incentives and Liquidated Damages

Incentives will be paid in the amount of \$1,000 per calendar day for each day less than the specified construction time allowance that the Contractor completes the work. The incentives shall apply to each full phase (1 thru 5 and 2A and 2B) up to a maximum of 10 calendar days each or \$10,000.00 per phase. In order for incentive payments to be paid, the specific items listed for each phase shall be completed. Liquidated damages shall also apply to each full phase (1 thru 5 and 2A and 2B).

The City of Lincoln's standard liquidated damages, \$1,000 per calendar day, will apply to completion time allowances for each phase of the project as well as for the two over-all completion dates.

If and when a temporary winter shut-down is agreed by the City and Contractor, the Contractor shall backfill all excavations and provide temporary asphalt pavement to all areas where pavement has not been replaced. The Contractor shall be paid an agreed amount of \$30.00 per ton for this temporary pavement.

Section Special Provisions Shop Drawings

The following is added to the end of the paragraph: "k. Testing and disinfection Plan".

Section Special Provisions right-of-Way and Permit Status

The paragraph is revised as shown below:

RIGHT-OF-WAY AND PERMIT STATUS

The work will be performed within existing right-of-way or temporary easements for this project, as shown on the drawings. All of the easements for the project have been obtained.

The property owner will provide seeding and or sodding for the following tracts: 116, 119, and 120. Temporary easements shall be used for grading and construction purposes and not for parking, storage, or servicing of construction equipment for tracts 116, 119, 120, 121, 122, 123, 124.

The City will obtain a permit from Lancaster County for the crossing of Holdrege Street at North 87th Street. The Contractor shall name Lancaster County as additional insured and shall comply with Lancaster County insurance requirements, a copy of which will be provided upon request.

The Contractor will be provided a copy of the Lancaster County permit and shall comply with all of the requirements noted in the permit.

The City will obtain the required NPDES permit for stormwater runoff from construction sites. The Contractor shall construct and maintain the required erosion control devices as indicated on the drawings and in conformance with the NPDES permit and as directed by the City.

Section Special Provisions Status of Utilities

The paragraph is revised as shown below:

STATUS OF UTILITIES

The following information is current as of April 10 2007. The Contractor should request a utility status update prior to starting work. The Contractor shall coordinate all construction activities with affected utilities who have identified relocations which are to be completed concurrent with the utility/roadway construction.

Utilities known to have facilities in the project area:

Lincoln Water System,
Lincoln Wastewater,
Lincoln Electric System,
Aquila,
Qwest Communications,
Time Warner Cable.

The Contractor shall coordinate with Lincoln Electric System to de-energize the primary electric power line between stations 1031+00 to 1033+00. The Contractor shall protect the line from damage during construction or repair the line at no additional cost.

Lincoln Electric System will relocate light poles at Stations 1027+00 and 1045+90.

C. DRAWINGS

Sheet No. 2 is replaced with the attached Sheet 2 dated 4/11/07.

Sheet No. 3 is replaced with the attached Sheet 3 dated 4/11/07.

Sheet No. 4 is replaced with the attached Sheet 4 dated 4/11/07.

Sheet No. 5 is replaced with the attached Sheet 5 dated 4/11/07.

Sheet No. 9 is replaced with the attached Sheet 9 dated 4/11/07.

Sheet No. 10 is replaced with the attached Sheet 10 dated 4/11/07.

Sheet No. 11 is replaced with the attached Sheet 11 dated 4/11/07.

Sheet No. 15 is replaced with the attached Sheet 15 dated 4/11/07.

Sheet No. 20 is replaced with the attached Sheet 20 dated 4/11/07.

Sheet No. 23 is replaced with the attached Sheet 23 dated 4/11/07.

Sheet No. 24 is replaced with the attached Sheet 24 dated 4/11/07.

Sheet No. 25 is replaced with the attached Sheet 25 dated 4/11/07.

Sheet No. 26 is replaced with the attached Sheet 26 dated 4/11/07.

Sheet No. 27 is replaced with the attached Sheet 27 dated 4/11/07.

Sheet No. 28 is replaced with the attached Sheet 28 dated 4/11/07.

Sheet No. 29 is replaced with the attached Sheet 29 dated 4/11/07.

Sheet No. 30 is replaced with the attached Sheet 30 dated 4/11/07.

Sheet No. 31 is replaced with the attached Sheet 31 dated 4/11/07.

Sheet No. 32 is replaced with the attached Sheet 32 dated 4/11/07.

Sheet No. 33 is replaced with the attached Sheet 33 dated 4/11/07.

Sheet No. 34 is replaced with the attached Sheet 34 dated 4/11/07.

Sheet No. 35 is replaced with the attached Sheet 35 dated 4/11/07.

Attachments:

Sheets: 2, 3, 4, 5, 9,10, 11, 15, 20, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35



Addendum 1-5

MEETING DOCUMENTATION

Kirkham Michael will rely on these notes to represent the interpretation of the items discussed and the resolutions thereof during the meeting unless written notice to the contrary is received by the author within seven calendar days of the issuance of these notes.

PROJECT: 54" Transmission Water Main
MEETING LOCATION: Lincoln Water System
2021 North 27th Street
SUBJECT: Pre-Bid Meeting

MEETING DATE: April 6, 2007
ENGINEER: Rich Robinson, P.E.
Scott Schmoker, P.E.
KM PROJECT NO.: 0512241

PRESENT:

Mike Atkinson – Garney Construction Co., Inc.
Rod Dobson – Dobson Brothers
Brian Egr - General Excavation
Harry Kroos – PW&U
Steve Schwab – Parks and Rec.
Dave Spomer – LES
Christy Funcke – USPS
Kent Butler – Windstream
Randy Kreifels – Aquila
Tim Keen – Northwest Pipe Co.
Michael McCullough – Pavers Inc.
Derek Bookstrom – HD Bookstrom
Doug Pillard – County Engineering

Mary Lowe – Eng. Services
Wayne Burcham – Eng. Services
Bruce Sweney – Eng. Services
Greg Topil – Eng. Services
Kris Humphrey – Eng. Services
Michelle Backemeyer – Real Estate Div.
LeRoy Meints – LWS
Nick McElvain – LWS
John Miriovsky – LWS
Rich Robinson – Kirkham Michael
Scott Schmoker – Kirkham Michael
Lucinda Bugbee – Kirkham Michael

PRESENTATION:

Rich Robinson and Scott Schmoker provided a presentation regarding the project overview, schedule, specification and issues. The slides are attached to these minutes.

DISCUSSIONS:

Nick McElvain indicated that there is one other project that the City wanted to mention, but did not know the exact timing yet. Olsson and Associates are designing a water main in Holdrege Street from 87th to 98th Street. It will connect to the 16" main on the north side, so it will depend on which project gets done first. The connection to the 16-inch main may be different than specified.

When we started this project a year ago, the Olsson's project seemed so far away, but there is a good chance that they may have financing for their project very soon. It will be built and bid through the City as an EO and funded by the developer of the new Waterford development at 98th and Holdrege. The City has recently seen 60% drawings and is expecting 90% soon. It could be that within a month or two, Olsson could bid their project and depending on pipe delivery be under construction before pipe is delivered for this project.

So basically it is the same general connection, but it could be a different configuration on the north side.

QUESTIONS: (Questions and Contractor comments are designated in plain type.)
(Kirkham Michael and the City of Lincoln answers and comments are designated in bold type.)

1. So based on your comment, is there interest in possibly moving the start date up for this project?

No. We are just saying that Olsson could be out there building or their project could be built before this contract ever gets to the east end of the project. It could be in place and in service by the time we get there especially if we are not there until June 2008. That line could be in service and they could have houses connected. It will run on the north side all the way from 87th to 98th and then they will have a main running south to 98th.

It is just important to know that there could be some construction going on when this project starts. It will be important to start talking about dates and looking at drawings since their project is moving quicker than it has in the past. Because it is privately funded, they can award a contract in two days.

2. Is that alignment going to stay on the north side of Holdrege?

Yes. The only thing that affects this project is the connection and how it is made.

3. Will the Postal Mail Carriers be able to go in and deliver the mail on Carlos Drive or will the boxes be moved up toward the houses?

For the Carlos area, we are going to remove the pavement. Typically, the boxes are moved back and arrangements are made with the Mail Carrier to relocate the boxes to a common location, so they can walk the area. We usually work that out once we get started with the contract (at the Pre-Construction Meeting).

The new sewer that Rich spoke of will be between the sidewalk and the houses. There will be boring underneath there and they will be digging up every sewer service and reconnecting it. This will mean that there will be excavation and backhoes each day setting over the sidewalk. Somehow, the mail carriers should be able to get in from one direction or another. A lot of times they like to put in a cluster box. It is probably an item that should be discussed at the pre-construction meeting.

4. So will they contact the USPS once they are ready to begin construction?

Yes.

5. So are the sleeves or closures subsidiary? Because you are going to need a couple, obviously, on the phasing that you have on Phase I and the reconnect.

Yes, on the 54" line. The thought there was that we did not know how the Contractor would sequence the project. Like Rich said, you might bore and then just keep on going or you might stop and have to come back. It was difficult for us to know how construction would be phased.

6. It looks like the only water feed we will have is on the east end? Are we going to need to put a temporary hydrant or bulkhead in? That is where we are feeding from and where we will need to disinfect from.

Yes.

We are going to need a temporary blow off or something up here to meet the reservoir because that is more than likely where we will blow off the water.

We have blow offs shown.

You have one blow off shown on the east end, right where you tie on.

We have one shown on the south end too and you can blow off there also. (This has been added within Addendum No. 1)

7. Would it make more sense to add a valve there and not have a temporary bulkhead? Because you are going to have to leave it like that until you come down and come back up to speed again.

You mean to slip a valve in at Carlos?

Yes. This way you can feed it from there and blow off at the east end and chlorinate and disinfect from there and not come back and disturb it again. Otherwise, can you throw in a temporary paving item because we will need to pave that area until we come back.

We will look into it and talk about it.

Are you talking about coming in from the east end and going west? That is what it looks like. Where will all the water end up? Down the storm sewer?

Yes, it is going to have to. That is why I was suggesting putting in a valve there so you can feed it with the 54" line and chlorinate it and check your slug there then push it and dump it on the east end. Otherwise, you are going to have a lot of water dumping on a residential street.

8. The pavement. Did you take into account any extras because you are going to be having a lot of heavy pipe and trucks going down a residential street? I guess Carlos is the only residential. What happens if you damage more than what you have on your plans?

Are you talking about some of the access streets to the project?

Probably more just along Holdrege and some of those areas.

Actually, if you damage it, you will need to fix it.

We are going to have really big equipment running over curbs trying to access a trench. The way that you have it here, you are going to have to hop the curb.

You are going to have to do some things to protect the curbs when you start hopping. You are going to need to allow for some replacements if you are going to have some damage. (Addendum No. 1 includes additional quantities for the west curb of Carlos Drive. Otherwise, the Contractor will be responsible for any damage to pavement).

9. Who is inspecting?

The City will have a consultant inspecting this project and then Brian Dittman will be the City Project Manager. We do not know who the consultant will be yet.

10. Is Kirkham Michael limited then, they can't do that?

Kirkham Michael will not be able to do the inspection, but they will still be reviewing shop drawings.

11. Did you say that you were going to try and salvage the curb and gutter on the west side of Carlos?

Yes.

Do you know from the centerline of the trench over how much room there is there? I know that our machine that would be doing the work is 16' wide. I would need 8' from the center of the trench over. And that is a 100 and some thousand pound machine. The curb will be crushed. Plus, you are going to need a big machine to pick pipe up.

There is 10' from the back of the curb to centerline.

So, the tracks are going to be right in the gutter almost. That is not going to be good. (Addendum No. 1 adds additional quantity of curb removal and replacement for the west side of Carlos Drive).

12. Are you wanting us to figure... are you going to be doing any subsidizing?

No. Curb and gutter are to remain. (See Addendum No. 1)

13. So you are saying that you may pay for more than what is plan quantity if it is deemed necessary?

Yes, if it is deemed necessary we will pay for the curb.

Well, when you dig that close with heavy equipment and it is going to be right on the edge of the trench, if it stands up fine, if it doesn't, we should probably replace it. Intent

would be to save it.

14. On the sewer then that you are directional drilling, are you just doing taps?

Yes, you cannot do "Ys".

15. Are you matching the flow lines on the sewer from the new to the old?

Yes.

16. So are you going to go through the services or underneath them?

We believe that we would be underneath them. The existing sewer line is on the west side.

17. You may have talked with Tim in our office, but have you talked about this open cut?

Again, our intent is to save as many trees as possible because we are removing all trees on the west side.

18. Do any of the other utilities here have any comments?

The crossing should be well below the utilities.

19. You said that we can only close 1 block at a time on Carlos?

Yes, but they are long blocks.

We will need a lot of room to string out pipe and materials.

The intent was just to have the east-west crossing traffic open.

So we just need to leave West Avon Lane and Starr open to just cross traffic? We can close the rest of it otherwise?

Those are the only two east-west cross streets.

20. Can we string the pipe and materials up in the yards?

Yes, in the easement areas.

21. Winter construction shut down determines when you can shut down or not. Are you going to let the Contractor decide when that time is because the Contractor is not going to want to pave a

whole temporary street?

Typically, if the City tells you to shut down, then the City has to do the temporary; because that is the way it is written. However, if you continue and wish to continue, then there is going to come a point in time where there is a meeting of the minds as far as not continuing.

Obviously, if it is staying below freezing and you can't put the dirt back in day after day, that is one thing, but if it is cold at night and warms up during the day and you can continue back filling...

I would say as long as the Contractor is willing to continue since it is costing you a lot more... Then you would have to shut down and you would have to do the temporary paving. (Addendum No. 1 includes language relative to a mutual decision between the City and the Contractor regarding a winter shut-down. If temporary pavement is necessary the contractor will be paid \$30.00 per ton).

22. Rich, you said something about monthly payments, but I assume we can do every two weeks like the City standardly does on a larger project like this.

I think the minimum is \$40,000 and as long as you process them in a two week period, we will write estimates every two weeks.

23. If there are limbs coming over from the other side are we allowed to chop those down?

No. Coordinate with the City Arborist.

24. Is Coal Tar Epoxy coating absolutely necessary?

Yes.

Authored By: Rich L. Robinson, P.E.

Issue Date: April 10, 2007

Distribution To: All Attendees, File

City of Lincoln, Nebraska 54-inch Water Transmission Main

2007 Project No. 702279 Pre-Bid Meeting

Presented by
Rich Robinson, PE & Scott Schmoker, PE
April 6, 2007



Pre-Bid Meeting Agenda

- Introduction of Project Team
- Design Objective and Goals
- Overview of Project
- General Provisions
- Overview of Alignment
- Easement & Access
- Schedule
- Construction Techniques
- Materials
- Permits Obtained by Owner
- Addendum #1
- Questions ?



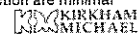
Introduction of Project Team

- Owner:
City of Lincoln, Nebraska
- Design Team:
Kirkham Michael
Thiele Geotech
Cathodic Protection Associates of Nebraska

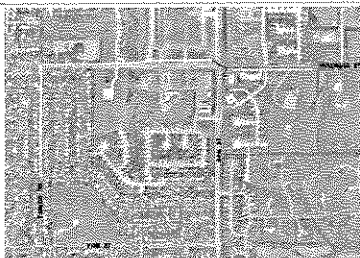


Design Objective & Goals

- Design Objective
 - Design and construct water transmission main to preserve the corridor
- Design Goals
 - Provide drinking water infrastructure to satisfy demands in Lincoln
 - Enhance and extend the LWS's primary goal of providing fresh clean water meeting or exceeding Federal and State standards
 - Complete the design on or ahead of schedule and within budget
 - Develop contract documents in a quality manner, such that revisions and surprises during construction are minimal



Overview of Project



Overview of Project

- 54-Inch Diameter Water Main (approx. 5,600 LF)
- 16-Inch Diameter Water Main (approx. 800 LF)
- 6-Inch Diameter Water Main (approx. 220 LF)
- Cathodic Protection Required
- 8-Inch Sanitary Sewer (approx. 1,100 LF)
- Remove and Replace Street Pavement
- Sidewalk and Driveway Removal and Replacement
- Structures –
 - Air Relief Structures
 - Blow Off Structures
 - Drainage Headwall



Overview of Project

- Connect to Existing Water Mains
 - East Avon Lane
 - North 87th Street
- Boring Locations
 - 84th and Holdrege Street, 72" Steel Casing
 - 87th and Holdrege Street, 12" Steel Casing
 - Directional Drill, Trench-less Sanitary Sewer Installation on Carlos Drive
- Water Services on Carlos Drive
 - Reconnect Services on West Side of Carlos to Existing Main on East Side
 - Licensed Plumber to Complete All Water and Sanitary Sewer Services (Title 17)
 - 24" Clearance Above New 54" Main for Water Services (GP)



Proposal/Contract Documents

- Bid Opening April 18, 2007
 - 5% Bid Bond
- Proposal Based Upon:
 - 2006 City of Lincoln Standard Specifications for Municipal Construction and Lincoln Standard Plans
 - Plans, Including the Drawings and Special Provisions
- Miscellaneous Items:
 - Subcontractors, Performance and Payment Bonds, Shop Drawings, Preconstruction Conference, Public Information Meeting



Bid Form/Payment

- Unit Price Bid
- Liquidated Damages (LD)
 - \$1,000/day Substantial Completion
 - LDs and Incentives will Apply to Interim Substantial Completion Dates (see Special Provisions)
- Payment
 - Monthly
 - 5% Retainage per General Provisions

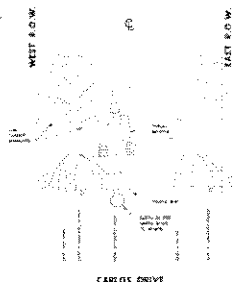


Overview of Alignment Station 1000+33 to Station 1015+53 (Carlos, East Avon to Holdrege Street)

- Connect 54-Inch PCCP Water Main at South End of Carlos (Sheet No. 4)
- Remove and Replace Pavement (Sheet No. 3)
- Sanitary Sewer Construction (trenchless technology) from Station 40+80 to Station 52+21 (contractor to submit construction methods/plan)
- Blow Off Assembly at Station 1012+25
- Tree Removals/Trimming (City Arborist)
- Water and Sanitary Sewer Service Reconstruction (Title 17)



Tree Removal/Trimming



- Trees Marked by City Arborist
- Removal Requires Licensed Arborist
- Tree Trimming by City



Overview of Alignment Station 10+15+53 to Station 1041+50 (Holdrege Street, Carlos to 84th Street)

- Open Cut at Holdrege Street
- Access to Capital City Christian Church
- Installation of Relocated Parallel 16-inch Water Line
- Open Cut Side Streets
- Retaining Wall at Northeast Corner of 80th and Holdrege Street (Payment Incentive)
- Air Relief Vault at Station 1019+53
- Blow Off Branch at Station 1030+20 at New Headwall



Overview of Alignment Station 1041+50 to Station 1044+21 (Undercrossing of 84th and Holdrege Streets)

- Cased Bore under 84th and Holdrege Street
- Coordination with FNB Development/Contractor



Overview of Alignment Station 1044+21 to Station 1056+50 (Holdrege Street, 84th to 87th Streets)

- Access to Sonic and Rural Fire District (open cut drives)
- Open Cut Drives and Side Streets
- Air Relief Vault at Station 1048+75
- Blow Off Assembly at Station 1056+50
- 6-Inch Bored Connection Under Holdrege Street (Station 1056+50)



Easements and Access

- See Right of Way Drawings (Sheet Nos. 36-41)
- All Easements are Acquired
- Access at All Times to Capital City Christian Church, Sonic, and Rural Fire District
- Contractor Shall Stake Easements as Part of Construction Staking Bid Item
- Staging Areas
 - Capital City Christian Church (200' x 150')
 - LWS Vine Street Station (200' x 200') - No crushed rock

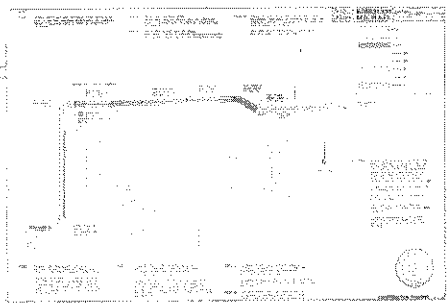


Traffic Control

- Detour Route (Sheet No. 10) - Holdrege Street Closure (14 calendar days - maximum)
- Construction Phasing Plan (Sheet No. 11)
- Two-Way Traffic on Holdrege Street (pavement widening 80th to Northwoods Dr.)
- Follow MUTCD Standards
- 24-Hour Availability of Traffic Control Supervisor
- Special Provisions Paragraph Pertaining to Construction Phasing and Traffic Control



Sheet No. 11



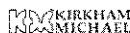
Utility Coordination

- Contractor shall Coordinate with Utilities for Any Relocations
- No Known Substantial Conflicts
 - Coordinate with LES for primary UGE at STA 1031+00 to 1033+00 (4' deep)
 - LES to relocate poles at STA 1027+00 and 1045+90



Schedule

- Thursday, April 12, 2007 – Last Day for Questions
- Monday, April 16, 2007 – Last Day for Addendums
- Wednesday, April 18, 2007 – Bids Received and Opened
- Pre-Construction Meeting
- Public Information Meeting
- Pipe Delivery and Commencement of Construction (September 1, 2007)



Phasing Schedule

Contract Calendar Days		
Phase 1	Bore at 84 th & Holdrege	14
Phase 2A	Carlos Drive Sanitary Sewer	21
Phase 2 B	Carlos Drive Water & Paving	70
Phase 3	Crossing of Holdrege St. at Carlos Dr. Intersection	14
Phase 4	Holdrege St. East of 84 th St.	28
Phase 5	Holdrege St. West of 84 th St.	42

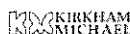


Construction Time Limit Durations start upon mobilization of equipment to each phase



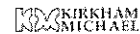
Schedule

- Possible Winterize Project After Phases 1, 2A, and 2B Carlos Dr.
 - Temporary Asphalt for All Uncompleted Drives or Streets
 - Backfill All Excavations
 - Subsidiary (Not pay item)
- Incentives and Liquidated Damages
 - Apply to Each Full Phase (1-5) and also Phase 2A
 - Liquidated Damages Apply to November 15, 2007 and June 15, 2008 Dates



Construction Techniques

- Open-Cut Trenching for Most of the Project
- Boring Required at Two (2) Locations (84th and Holdrege Street and 87th and Holdrege)
- Restrained Joints at All Valves, Tees, Bends, and Through All Borings, Length of Restrained Joints as Noted in the Profile
- Isolation Joints on All Connections to Existing Piping, Insulation Flange Detail on Sheet 6
- Soils/Geotechnical Information, Report is Available for Review and Recommendations shall be Followed



Materials

- Water Line 16 – Inch
 - DIP per Chapter 23 of the Standard Specifications
 - PCCP per Chapter 23 of the Standard Specifications
 - PVC, C900 or C905 DR 18, per Chapter 23 of the Standard Specifications
- Water Line 54-Inch
 - DIP, Shop-Applied Bonded External Coating & Cement Mortar Lining
 - PCCP, Shop-Applied Bonded External Coating & Grout of Exposed Steel at Joints
 - Steel Pipe, Shop-Applied 3 Layer Tape External Coating & Cement Mortar Lining
- Valves
 - 16-Inch and Smaller Purchased from the City



Corrosion Protection

- Required for the 54" Water Main for All Pipe Materials
- External Bonded Coating; Tape or Epoxy as Specified
- Anodes; Required for Steel and Ductile Iron Pipe
- Test Stations; Required for Steel, DIP, PCCP
- Bonded Joints; Required for Steel, DIP, PCCP
- Holiday Testing on the Pipe, See "Acceptance Testing" in the Special Provisions for Each Pipe Material
- Contractor to Submit Test Reports for All Performance Tests
- Operation and Maintenance Manual Required



Testing

- Bedding and Compaction
 - Contractor is Responsible for All Testing
 - Provide the City with Test Results
 - Bedding shall be per LSP's except granular material below invert shall be 8"
- Testing, Flushing and Disinfection
 - Contractor shall Complete All Testing, Flushing and Disinfection
 - Contractor shall Submit a Testing and Disinfection Plan
 - Provide the City with Test Results
- Corrosion Protection
 - Contractor to Provide Test Reports Showing Proper Functioning of the System

CITY OF LINCOLN
PLANNING
AND
COMMUNITY DEVELOPMENT

KIRKHAM
MICHAEL

Permits to be Obtained by Owner

- Lancaster County Permit to Under-Cross Holdrege Street
 - Name County as Additional Insured
- NPDES Construction Site Storm Water Discharge Permit (NOI Permit)

CITY OF LINCOLN
PLANNING
AND
COMMUNITY DEVELOPMENT

KIRKHAM
MICHAEL

Addendum No. 1

- Updated Summary of Quantities
- Updated/Revised Construction Phasing
- Revision to Holdrege Under Crossing at 87th Street
- Easement Commitments and Special Considerations

CITY OF LINCOLN
PLANNING
AND
COMMUNITY DEVELOPMENT

KIRKHAM
MICHAEL

Questions ???

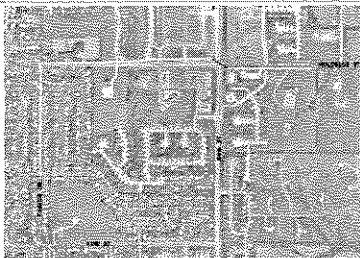
- Self-Guided Tours of Alignment
- Contact City with Additional Questions in Writing by Thursday, April 12, 2007

Vince Mejer
FAX: (402) 441-6513
E-mail: vmejer@lincoln.ne.gov

CITY OF LINCOLN
PLANNING
AND
COMMUNITY DEVELOPMENT

KIRKHAM
MICHAEL

Questions ???



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